

BYK-MAX HS 4303

Granulated long-term thermal stabilizer for the use in PP-based glass mat thermoplastics (GMT) and long-fiber-reinforced PP products (LFT).

Product Data

Composition

Additive formulation

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Bulk density: 550-650 kg/m³

Active substance: 40 %

Supplied as: White to off-white granulate

Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation

Store in a cool, dry and well-ventilated location.

Applications

Thermoplastics

Special Features and Benefits

BYK-MAX HS 4303 has a synergistic formulation of processing and thermal stabilizers, which protect polymers at high temperatures by decomposing reactive peroxides, and prevent the thermo-oxidative decomposition of the end product using radical scavengers. BYK-MAX HS 4303 has a very positive influence on long-term heat aging (LTHA), which makes it possible to comply with the automotive standard specifications more easily. The product does not affect the bonding properties and is non-migrating. BYK-MAX HS 4303 consists of a non-adhesive granulate, and is dust-free as well as being safe and easy to handle.

Recommended Use

Long fiber-reinforced pellets for automotive parts	■
Battery holders	■
Mounting supports	■
Bumpers	■
Structural components	■

■ especially recommended □ recommended

Recommended Levels

3 % additive (as supplied) based on the total formulation for 20-30 % glass fiber content (GMT).

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The additive can be added via volumetric or gravimetric dosing units during processing in all extruders and injection molding machines.

Special Note

The product is suitable for processing at temperatures up to 300 °C.



Additive Guide



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